

74779-15

3/1/2013

1/8

 <p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) Ariel Rios Building 1200 Pennsylvania Ave., NW Washington, D.C. 20460</p> <p style="text-align: center;">NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)</p>	EPA Reg. Number:	Date of Issuance:
	74779-15	MAR 1 2013
	Term of Issuance: Unconditional	
Name of Pesticide Product:		Dinotefuran Injectable
Name and Address of Registrant (include ZIP Code):		
Rainbow Treecare Scientific Advancements 11571 K-Tel Drive Minnetonka, MN 55343		
<p>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is unconditionally registered in accordance with FIFRA sec. 3(c)(5) provided that you:</p> <ol style="list-style-type: none"> 1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4. 2. Submit one year storage stability (830.6317) and corrosion characteristics (830.6320) studies. These studies can be run concurrently. Observation must be made at 0, 3, 6, 9, and 12 months period and the results must be submitted to the Agency upon completion. These studies must be submitted within 15 months from today's date. 4. Add the phrase "EPA Registration Number 74779-15" to the front panel. 		
Signature of Approving Official:		Date:
 John Hebert, PM 7 Insecticide Rodenticide Branch		MAR 1 2013

page 2
EPA Reg. No. 74779-15

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Submit one copy of the revised final printed label before you release the product for shipment. Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. A copy of the product hemistry review is also enclosed. If you have any questions, contact Rita Kumar at (703) 308-8291, or kumar.rita@epa.gov.

Sincerely,

John Hebert
Product Manager 7
Insecticide Rodenticide Branch
Registration Division (7505P)

Enclosures (2)

Dinotefuran Injectable

Systemic Insecticide for the management of insect pests of Forest and Ornamental trees and shrubs.

ACTIVE INGREDIENT:

Dinotefuran	
[N-methyl-N'-nitro-N''-((tetrahydro-3-furanyl)methyl)guanidine].....	22.5%
<u>OTHER INGREDIENTS.....</u>	<u>77.5%</u>
Total	100.0%

Contains 1.9 pounds of dinotefuran per gallon.

EPA Reg. No. 74779-~~XX~~ 15

EPA Est. No. XXXXX-XX-XX

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See additional Precautionary Statement, First Aid and Directions for Use inside booklet.

STOP – Read the label before use.

PRECAUCION AL USUARIO: Si usted no puede leer o entender ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente. (TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

NET CONTENTS:

Distributed By:
Rainbow Treecare Scientific Advancements
11571 K-Tel Drive
Minnetonka, MN 55343
1-877-272-6747
www.treecarescience.com

ACCEPTED
With COMMENTS
In EPA Letter Dated:
MAR 1 2013
Under the Federal Insecticide, Fungicide
and Rodenticide Act, As amended, for the
pesticide Registered under EPA Reg. No:

74779-15

FIRST AID	
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 – 20 minutes. • Call a poison control center or doctor for further treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact CHEMTREC at 1-800-424-9300 for emergency medical treatment information.	

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if absorbed through the skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Wear protective eyewear. Wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves.

PERSONAL PROTECTIVE EQUIPMENT:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

Applicator and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves, such as polyethylene or butyl rubber or neoprene rubber or Viton.
- Shoes plus socks

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users must:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
- Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS:

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not dispose of equipment washwaters or rinsate into a natural drain or water body. Do not contaminate water when disposing of equipment washwaters or rinsate.

5/8

This compound is highly toxic to honey bees. The persistence of residues and potential residual toxicity of Dinotefuran in nectar and pollen suggests the possibility of chronic toxic risk to honey bee larvae and the eventual instability of the hive.

This product is toxic to bees exposed to treatment for more than 38 hours following treatment. Do not apply this product to blooming, pollen shedding or nectar-producing parts of plants if bees may forage on the plants during this time period, unless the application is made in response to a public health emergency declared by appropriate state or federal authorities.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and the Worker Protection Standard, 40 CFR 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and the handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

RESTRICTIONS

- Do not inject trees that are less than two inches in diameter.
- This product is not to be used on trees which will produce food.
- For trees in forests that are pollinated by bees or other invertebrates, make application post-bloom.
- For flowering trees, make applications post-bloom.

APPLICATION EQUIPMENT

Dinotefuran Injectable is an insecticide for use with tree injection devices that meet the label and dose requirements. Test for compatibility with the injector and its liquid contact components before regular use. Clean the interior of the injector with a solvent cleaner to remove any residual liquid from prior use. Use tree injection devices with care and in a safe manner, in addition to following manufacturer's directions and precautions.

Note: The active ingredient in Dinotefuran Injectable has been shown to be safe on a wide range of plant species. Before using on plants or insects not listed in the Directions for Use, test on a small scale basis and evaluate for phytotoxicity and insect control prior to widespread use.

DIRECTIONS

Follow manufacturer's directions and precautions in the use of pressurized tree injector systems. Measure the diameter of the tree at breast height (4.5 feet above the soil line) in inches. Unless specified otherwise with the manufacturer's use instructions for specific tree injection devices, to determine the number of injection sites when measuring the circumference of the tree, divide this number by six (6). If measuring the

6/8

diameter of the tree, divide this number by two (2) to determine the number of injection sites needed. Apply the injector sites into the active sapwood, evenly spaced around the tree at the root flare region avoiding the valleys in between root flares. Ensure that the injection sites are no more than twelve (12) inches above the soil line. Excavating the soil 2-4 inches below the soil surface may help to expose the root flare. Follow good injection practices. Do not apply more than once per calendar year.

Use the following rates as a function of tree diameter at breast height (DBH):

- For trees 2 to 10 inches DBH use 1 – 2 ml per DBH inch
- For trees 10 to 36 inches DBH use 1 – 3 ml per DBH inch
- For trees 36 inches DBH and above use 1 – 4 ml per DBH inch

Dosage per injection site is determined by dividing the number of injection sites into the total dosage per tree as per the above rate schedule.

For heavier infestations or more difficult to control insects, use up to 4 ml per DBH inch on trees having a DBH of 2 inches and above.

Trees in advanced stages of insect infestation may not respond to treatment. The health of the tree and the environmental conditions will determine the rate of uptake.

Table 1: Target insects on Forest and Ornamental Trees and Shrubs

Adelgids (such as hemlock wooly adelgid, pine bark adelgid, cooley spruce gall adelgid) Aphids Asian Longhorned Beetle Bagworms (suppression) Flatheaded Borer (excluding emerald ash borer) Froghopper Galls (such as Hickory Stem Gall) Glassy-Winged Sharpshooter Japanese Beetle (adults) Lacebugs Leaf Beetle Leafhoppers Leafminers Mealybugs Pine Tip Moth Larvae (suppression) Plant Bug Plant Hopper Psyllids Root Weevils Roundheaded Borers Royal Palm Bugs Sawfly Larvae Scale Insects (soft and armored scales) Stink Bug Thrips Treehopper Whiteflies

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store containers in an upright position, above 45°F, in a cool, dry place.

PESTICIDE DISPOSAL: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(non-refillable ≤ 5 gallons): Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

NOTICE OF WARRANTY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE OR OTHERWISE, EXPRESSED OR IMPLIED CONCERNING THIS PRODUCT OR ITS USE WHICH EXTEND BEYOND THE USE OF THE PRODUCT UNDER NORMAL CONDITIONS IN ACCORD WITH THE STATEMENTS MADE ON THIS LABEL.

All TM property of Rainbow Treecare Scientific Advancements
© Copyright 2012 Rainbow Treecare Scientific Advancements
The Rainbow logo is a trademark of Rainbow Treecare Scientific Advancements



Optional Marketing Claims

- Ideal for HWA [Hemlock Woolly Adelgid] and Scale control
- Controls HWA and Scale [insects]
- Ideal for use near bodies of water
- Fast [Quick] to inject
- Fast [Quick] control
- Ideal for therapeutic treatments
- Ideal for recovery treatments
- Fast [Quick] distribution in [throughout] tree
- Quick [Fast] uptake
- For use on forest pests
- No mixing required
- Controls elongated hemlock scale